

## Product datasheet for **RC200576**

### **HNRPUL1 (HNRNPUL1) (NM\_007040) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HNRPUL1 (HNRNPUL1) (NM_007040) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HNRPUL1
Synonyms:	E1B-AP5; E1BAP5; HNRPUL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC200576 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGTGCGCCGTCTGAAGGTGAACGAACCTTCGCGAGGAGCTGCAGCGCCGCGGCCCTGGACACTCGAG  
 GCCTCAAGGCCGAGCTTCTGAGCGGCTGCAGGCGGCGTTGGAGGCCGAGGAGCCTGACGACGAGCGGGA  
 GCTCGACGCCGACGACGAACCGGGGCGACCCGGGCACATCAACGAGGAGGTTCGAGACCGAGGGGGCTCC  
 GAGCTGGAGGGGACCGCGCAGCCACCGCCCGGGCTGCAGCCGACGCGGAGCCCGGCTGCTACTCGG  
 GGCCGGACGGACATTATGCCATGGACAATATTACCAGGCAGAACCAATTCACGATACCCAAGTCATCAA  
 ACAAGAAAACGAGTCAGGCTACGAGAGGAGACCACTGAAATGGAGCAGCAGCAGGCCTATCGTCCAGAA  
 ATGAAGACAGAGATGAAGCAAGGAGCACCACCAGCTTCTCCCGCTGAAGTTCTCAACTCAAGCCAG  
 ACAGGCAGCAATTCAGAGTCGAAAGAGGCCTTATGAAGAAAACCGGGGACGGGGTACTTTGAGCACCG  
 AGAGGATAGGAGGGCCGCTCTCCTCAGCCTCCTGCTGAAGAGGATGAAGATGACTTTGATGATACCTT  
 GTTGCTATTGACACCTATAACTGCGACCTCCACTTCAAGGTGGCCGAGATCGGAGTAGTGGCTATCCGC  
 TCACAATTGAGGGCTTGCATACCTGTGGTCAGGAGCCCGTGCCAGCTATGGGGTCAGAAGGGGCCGTGT  
 ATGCTTCGAGATGAAGATCAATGAGGAAATCTCCGTGAAGCACCTTCCGTCTACAGAGCCTGACCCCCAC  
 GTGGTCCGTATCGGCTGGTCCCTGGACTCCTGCAGCACCAGCTAGGCGAAGAGCCTTCTCCTATGGCT  
 ATGGAGGCACTGGGAAGAAGTCCACCAATAGCCGGTTTGAAGAACTACGGAGACAAGTTTGCAGAGAACA  
 TGTGATTGGCTGCTTTCGGGATTTGAATGTGAAATGACGTGGAAGTGTCTTTACCAAGAATGGAAG  
 TGGATGGGCATTGCTTTCGAAATCCAGAAGGAAGCCTTGGGGGTGAGCCCTCTATCCTCATGTCCTGG  
 TGAAGAATTGCGCAGTGGAGTTCAACTTCGACAGAGAGCAGAGCCCTACTGTTCTGCTCCCGGGT  
 TACCTTCATCCAGCACCTTCCCCTTAGTGAGCGTATCCGGGACCCGTTGGACCAAGAGCAAGGCAGAA  
 TGTGAGATTCTGATGATGGTGGGCTGCCTGCTGCTGGCAAGACCACATGGGCCATCAAACATGCAGCCT  
 CCAACCCTTCCAAGAAGTACAACATCCTGGGTACCAATGCCATCATGGATAAGATGCGGGTATGGGCT  
 ACGCCGGCAGCGGAAGTATGCTGGCCGCTGGGATGTCCTGATCCAGCAGGCCACCCAGTGCCTCAACCGC  
 CTCATCCAGATTGCTGCCCGCAAGAAACGCAACTATATCCTAGATCAGACAAATGTTTATGGGTGAGCC  
 AGAGACGAAAAATGAGACCTTTGAAGGCTTCCAGCGCAAAGCTATTGTAATTTGCCACTGACGAGGA  
 CCTAAAAGACCGAACAATAAAGCGAACCAGCAGGAAGGAAGGATGTCCAGATCATGCGGTCTTAGAA  
 ATGAAAGCCAACCTCACGTTGCCAGATGTTGGGACTTCTGGATGAGGTTCTGTTTCATTGAGCTGCAGC  
 GGGAGGAAGCGGACAAGCTAGTGAGGCAGTACAACGAGGAAGGCCGCAAGGCTGGGCCACCCCTGAAAA  
 GCGCTTTGACAACCGAGGTGGTGGTGGCTTCCGGGGCCGCGGGGTGGTGGTGGCTTCCAGCGCTATGAA  
 AACCGAGGACCCCTGGAGGCAACCGTGGCGGCTTCCAGAACCGAGGGGGAGGCAGCGGTGGAGGAGGCA  
 ACTACCGAGGAGGTTTCAACCGCAGCGGAGGTGGTGGCTATAGCCAGAACCGCTGGGGTAAACAACCG  
 GGATAACAACAACCTCAACAACAGAGGCAGCTACAACCGGCTCCCAGCAACAGCCGCCACACAGCAG  
 CCTCCGCCACCACAGCCACCACCCAGCAGCCACCGCCACCACCCAGCTACAGCCTGCTCGGAACCC  
 CAGGGCCAGCACCTACAATAAGAACAGCAACATCCCTGGCTCAAGCGCAATACCAGCACCCACCCGCT  
 CAGCAGCTACAGCCCTCCACAGCCGAGTTACAGCCAGCCACCCTACAACCAGGGAGGTTACAGCCAGGGC  
 TACACAGCCCCACCGCTCCACCTCCACCACCTGCCTACAACATATGGGAGTACGGCGGTTACAACC  
 CGGCCCTTATACCCACCGCCACCCCCACCGCACAGACCTACCCTCAGCCAGCTATAACCAGTATCA  
 GCAGTATGCCAGCAGTGAACCACTACTATCAGAACCAGGGCCAGTGGCCGCCATACTACGGGAACCTAC  
 GACTACGGGAGCTACTCCGGGAACACACAGGTGGCACAAAGTACACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200576 protein sequence  
 Red=Cloning site Green=Tags(s)

MDVRRLLKVNELREELQRRGLDTRGLKAELAERLQAALAEPEPDDERELDADDEPGRPGHINEEVETEGGS  
 ELEGTAQPPPPGLQPHAEPGCYSGPDGHYAMDNI TRQNQFYDTQVIKQENESGYERRPLEMEQQQAYRPE  
 MKTEMKQGAPTSFLPPEASQLKPDQRQFQSRKRPYEENRGRGYFEHREDRRGRSPQPPAEDEDDFDL  
 VAIDTYNCDLHFKVARDRSSGYPLTIEGFAYLWSGARASYGVRGRVCFEMKINEEISVKHLPSTEPDPH  
 VVRIGWSLDSCSTQLGEEPF SYGYGGTGKKSTNSRFENYGDKFAENDVIGCFADFECDNDVELSFTKNGK  
 WMGIAFRIQKEALGGQALYPHVLVKNCAVEFNFGQRAEPYCSVLPGFTFIQHLP LSERIRGTVGPKSKAE  
 CEILMMVGLPAAGKTTWAIKHAASNPSKYNILGTNAIMDKMRVMGLRRQRNYAGRWDVLIQQATQCLNR  
 LIQIAARKKRNILDQTNVYGSAQRKMRPFEGFQRKAIVICPTDEDLKDRTIKRTDEEGKDVDPHAVLE  
 MKANFTLPDVGDFLDEVLFIELQREEADKLVRQYNEEGRKAGPPPEKRFDNRRGGGGFRGRGGGGFQRYE  
 NRGPPGGNRGGFQNRGGGSGGGNYRGGFNRRGGGYSQNRWGNNNRDNNSNRRGSYNRAPQQQPPPPQQ  
 PPPPQPPPPQPPPPSYSPARNPPGASTYNKNSNIPGSSANTSTPTVSSYSPQPSYSQPPYNQGGYSQG  
 YTAPPPPPPPPAANYGSYGGYNPAPYTPPPPTAQTYPQPSYNQYQQAQQWNQYQYQNGQWPPYYGNY  
 DYGSYSGNTQGGTSTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

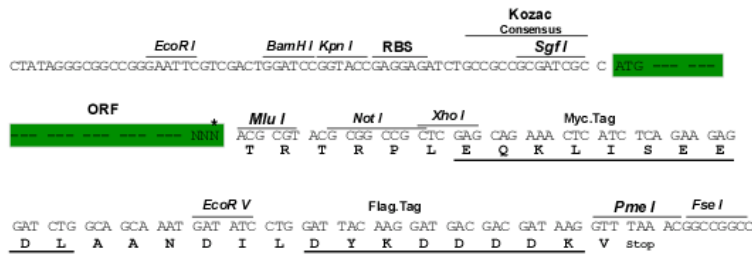
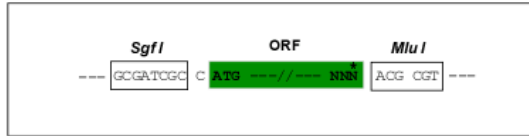
[https://cdn.origene.com/chromatograms/mk6814\\_a07.zip](https://cdn.origene.com/chromatograms/mk6814_a07.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

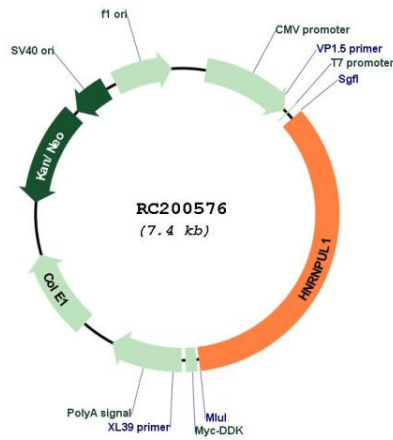
Cloning sites used for ORF Shuttling:



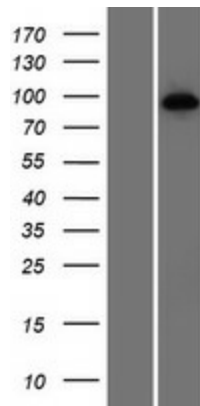
\* The last codon before the Stop codon of the ORF

<b>ACCN:</b>	NM_007040
<b>ORF Size:</b>	2568 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_007040.6</a>
<b>RefSeq Size:</b>	3892 bp
<b>RefSeq ORF:</b>	2571 bp
<b>Locus ID:</b>	11100
<b>UniProt ID:</b>	<a href="#">Q9BUJ2</a>
<b>Cytogenetics:</b>	19q13.2
<b>Domains:</b>	SAP, SPRY
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	95.8 kDa
<b>Gene Summary:</b>	This gene encodes a nuclear RNA-binding protein of the heterogeneous nuclear ribonucleoprotein (hnRNP) family. This protein binds specifically to adenovirus early-1B-55kDa oncoprotein. It may play an important role in nucleocytoplasmic RNA transport, and its function is modulated by early-1B-55kDa in adenovirus-infected cells. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RC200576



Western blot validation of overexpression lysate (Cat# [LY416239]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200576 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).